

ABSTRACT OF THE DISCLOSURE

Disclosed is a packet transmitting apparatus for transmitting packets belonging to a plurality of groups having priorities that differ from one another. The

5 apparatus includes a queue controller, which is provided in a scheduling unit, for generating queues on a per-group basis and giving a packet transmit privilege in order, in accordance with the round-robin method, to elements constituting each of the queues, queue by

10 queue; and a packet-transmit group decision unit, which is provided in the scheduling unit, for deciding that a packet transmit group is a group having the highest priority among groups in which a packet corresponding to at least one queue element is awaiting to be transmitted.

15 The queue controller gives the packet transmit privilege to the highest-priority queue element of a queue of the packet transmit group that has been decided and transmits the packet that corresponds to this queue element.